

Converting Colors

XYZ(21.7023, 33.0564, 20.3134)

Have a look what the booklet for
XYZ(21.7023, 33.0564, 20.3134)
contains.

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Color

**XYZ(21.6506, 33.0133,
20.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	56AD6F
RGB	86, 173, 111
RGB Percent	34%, 68%, 44%
CMY	0.6627, 0.3216, 0.5647
CMYK	0.50, 0.00, 0.36, 0.32
HSL	137°, 35%, 51%
HSV	137°, 50%, 68%
XYZ	21.6506, 33.0133, 20.2700
YIQ	139.9190, -31.9500, -37.7260

Conversions

Conversions Part 2

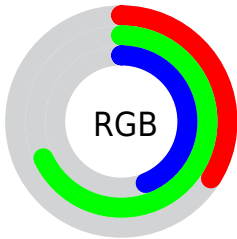
Format	Color
RYB	86, 154, 173
Decimal	5680495
CIELab	64.17, -40.21, 24.03
CIELCh	64, 46.839, 149.136
Yxy	33.0133, 0.2889, 0.4406
Android (android.graphics.Color)	4283870575 (0xFF56AD6F)
YUV	139.9190, -14.2571, -47.2870
Hunter-Lab	57.4572, -33.2890, 19.3035

Details

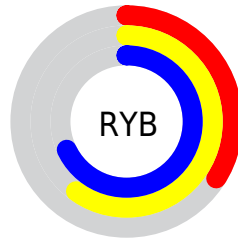
The XYZ color **21.6506, 33.0133, 20.2700** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.9078, 17.6787, 30.0652**, and the grayscale version is **24.9590, 26.2589, 28.5959**.

A 20% lighter version of the original color is **45.6147, 64.3457, 44.6661**, and **8.0120, 14.0004, 6.8375** is the 20% darker color. If you saturate the color by 10%, you get **19.6138, 32.0373, 16.8726**, and if you desaturate by 10%, it is **24.1683, 34.2282, 24.1806**.

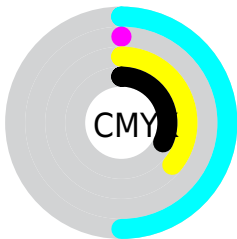
Distribution



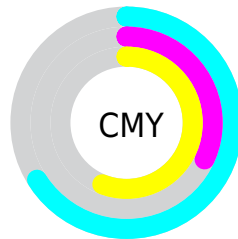
- Red (34%)
- Green (68%)
- Blue (44%)



- Red (34%)
- Yellow (60%)
- Blue (68%)



- Cyan (50%)
- Magenta (0%)
- Yellow (36%)
- Black (32%)





- Cyan (66%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6506, 33.0133, 20.2700 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.6506, 33.0133, 20.2700 by changing the saturation by 10% instead.


 21.6506, 33.0133,
20.2700


 21.6506, 33.0133,
20.2700


253.3830,
315.7097, 266.0255


 13.7156, 22.1366,
12.4054


 45.6510, 64.3963,
44.7343


 8.0035, 13.9573,
6.8945


 62.4471, 85.6714,
62.1711

 4.1490, 8.0910,
3.3188


 82.9275, 111.1815,
83.6358

 1.7868, 4.1532,
1.2596

 107.4577,
141.3109, 109.5468

 0.5097, 1.7596,
0.0284

136.4030,
176.4440, 140.3228

 0.0000, 0.4618,
0.0000

170.1287,

 0.0000, 0.0000,

216.9652, 176.3822

0.0000

209.0003,
263.2590, 218.1435

■ 21.6506, 33.0133,
20.2700

■ 21.6506, 33.0133,
20.2700

■ 19.6138, 32.0373,
16.8726

■ 24.1683, 34.2282,
24.1806

■ 18.0233, 31.2801,
13.9646

■ 27.1935, 35.6926,
28.6221

■ 16.8437, 30.7248,
11.5239

■ 30.7538, 37.4212,
33.6145

■ 16.0327, 30.3501,
9.5255

■ 34.8738, 39.4263,
39.1757

■ 15.5138, 30.1162,
7.9806

■ 39.5769, 41.7196,
45.3231

■ 44.8848, 44.3121,
52.0731

■ 50.8184, 47.2140,
59.4416

■ 57.3975, 50.4353,
67.4439

■ 64.6407, 53.9854,
76.0947

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.5668, 33.0133, 12.5431



21.6506, 33.0133, 20.2700



20.2713, 33.0133, 35.3979

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.6506, 33.0133, 20.2700



31.1862, 33.0133, 86.2610



43.8944, 33.0133, 20.9281

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.6506, 33.0133, 20.2700



25.9078, 17.6787, 30.0652

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9431, 33.0133, 36.4994



21.6506, 33.0133, 20.2700



38.0095, 33.0133, 78.2426

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.6506, 33.0133, 20.2700



25.2773, 33.0133, 77.3212



43.6543, 33.0133, 58.1389



38.3893, 33.0133, 12.8181

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.6506, 33.0133, 20.2700



20.8017, 33.0133, 49.3048



43.6543, 33.0133, 58.1389



45.0418, 33.0133, 25.2483

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.6515, 33.0147, 20.2707



58.6574, 68.7587, 65.0767



28.9007, 36.8892, 14.4015



12.4258, 14.7863, 13.7068



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6515, 33.0147, 20.2707



34.8823, 57.2586, 29.7909



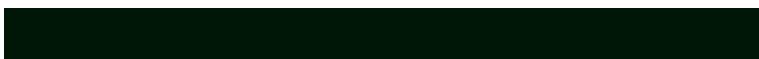
24.6276, 34.2051, 35.9429



7.9956, 8.9758, 9.0019



11.4186, 22.1327, 5.9781



0.3415, 0.6253, 0.2921

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.9078, 17.6787, 30.0652



43.3328, 26.7161, 49.1663



23.1044, 16.5573, 15.3029



8.2375, 8.1082, 9.5613



15.3260, 7.5929, 14.6279



0.4484, 0.2201, 0.5231

Previews

White Background



This preview shows how the XYZ color 21.6506, 33.0133, 20.2700 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.6506, 33.0133, 20.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6506, 33.0133, 20.2700

Background



This preview shows how black text looks on a background with the XYZ color 21.6506, 33.0133, 20.2700.



This preview shows how white text looks on a background with the XYZ color 21.6506, 33.0133,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.6506, 33.0133, 20.2700

Protanopia

30.3180, 32.7468, 17.5548

Deuteranopia

33.0922, 32.4092, 21.3411



Tritanopia

27.0845, 33.0082, 47.0632

Trichromacy



Original Color

21.6506, 33.0133, 20.2700

Protanomaly

26.0031, 32.2845, 18.4967

Deuteranomaly

27.1841, 31.5548, 20.8776

Tritanomaly

24.7651, 32.8797, 35.6130

Monochromacy



Original Color

21.6506, 33.0133, 20.2700

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.9364, 28.0345, 24.9712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6506, 33.0133, 20.2700 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 173, 111)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 173, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.6506, 33.0133, 20.2700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 173, 111) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(86, 173, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(86, 173, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 111);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6506, 33.0133, 20.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 173,  
111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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